

Multiple Pulses = 1 Bit Data FIG. 2 Remote Optical Digital Networking of Computing Devices Transcoder 210

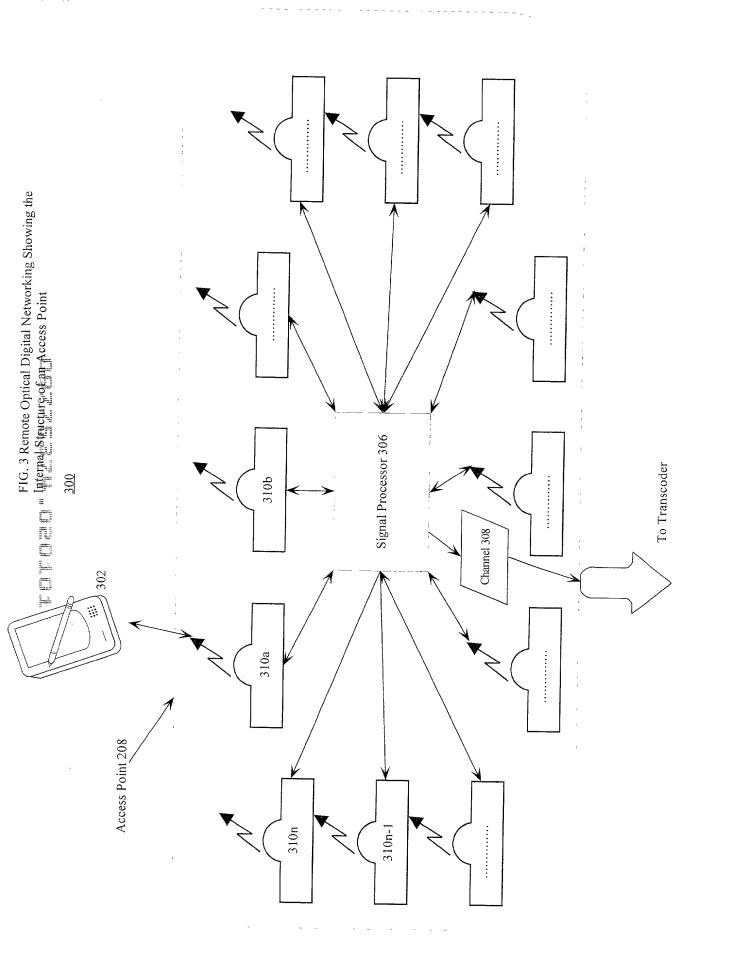


FIG. 4 Personal Digital Assistant with Indication of Signal Strength $\underline{400}$

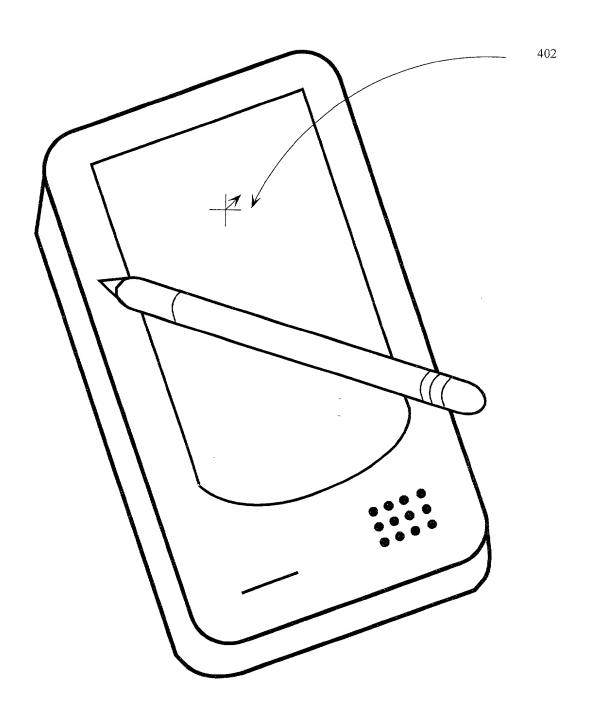


Fig 5A Conventional IR Communication

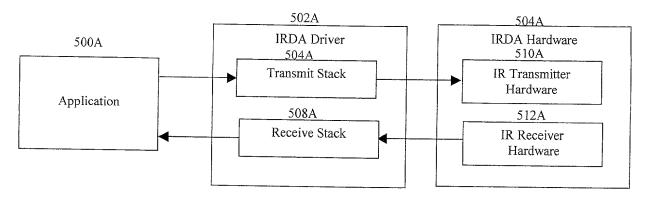


Fig 5B Extended Range Symmetric IR Communication

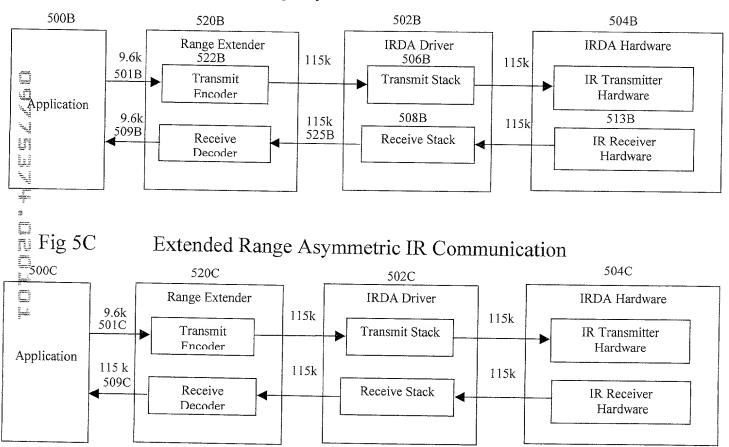


Fig 5D Extended Range Symmetric IR Communication

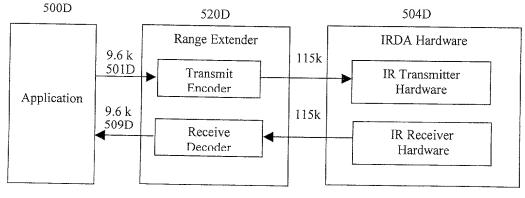


Figure 6 Transmit Encoder

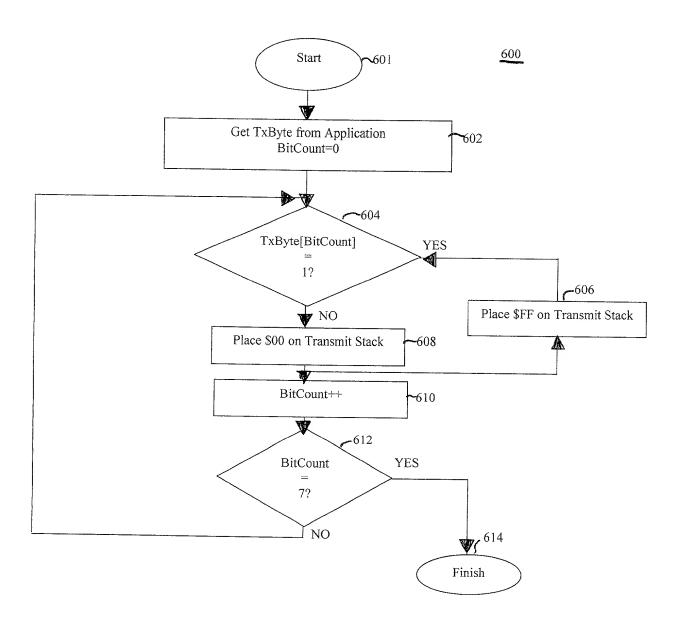
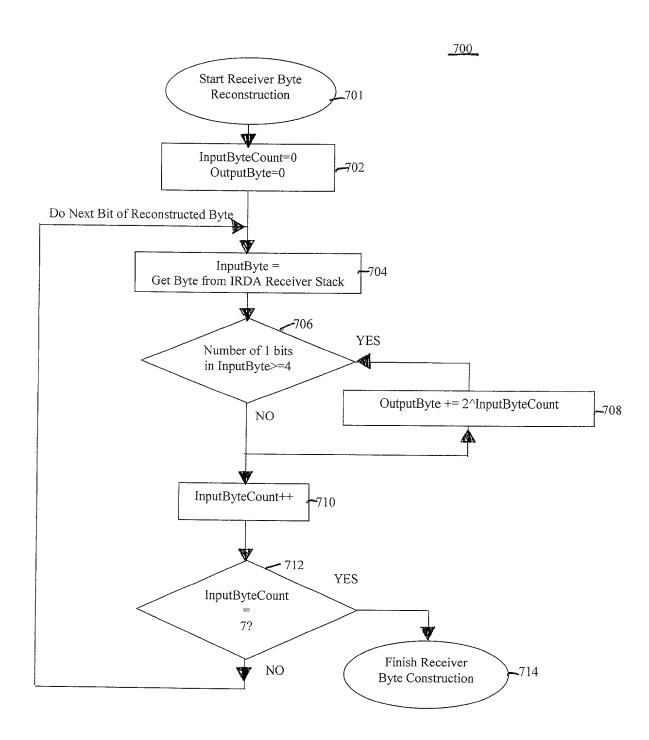
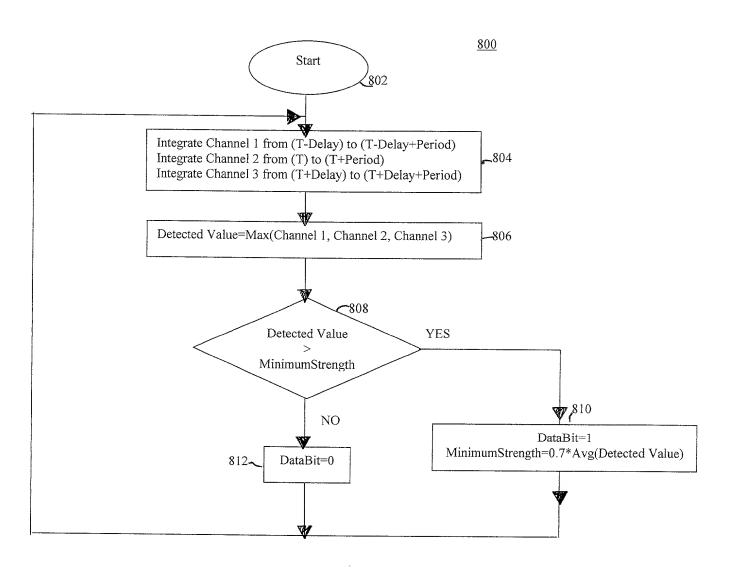


Figure 7 Receive Decoder





DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

the specification of which: (check one)

My residence, post office address and citizenship are as stated below next to my name;

I believe I am an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

SYSTEM AND METHOD FOR REMOTE OPTICAL DIGITAL NETWORKING OF COMPUTING DEVICES

elow and, insofar a rior United States rledge the duty to R 1.56 which occu	s the subject matter application in the disclose information irred between the fi	of each of the claims manner provided by material to the pater	s of this application is not disclosed in a the first paragraph of 35 USC 112, ntability of this application as defined in
er)	(Country)	(Filing Date)	
oreign Application(s):		Priority ClaimedNo
r's certificate listed	below and have als	so identified below an	ny foreign application for patent or
		າ which is material to	the patentability of this application in
under Attorney's I	Docket Number rial No.		·).
	was filed on under Attorney's I as Application Se and was amended a state that I have a gethe claims, as an wledge the duty to ince with 37 CFR a claim the benefit a certificate listed a certificate having the certificate having a certificate having a claim the benefit and the benefit and the benefit and the benefit arior United States arior United States arior United States and the benefit and the benefit arior United States arior United Sta	as Application Serial No	was filed on

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

•POWER OF ATTORNEY: As a named inventor,*I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Khanh Q. Tran	Reg. No. 41,352	Jon A. Gibbons	Reg. No. 37,333
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FULL NAME OF INVENTOR: Thomas G. ZIMMERMAN

NVENTOR'S SIGNATURE: JAM / Jumes DATE: Jan 26, 2001

RESIDENCE: 7611 Hollanderry Place, Cupertino, California 95014

CITIZENSHIP: United States

POST OFFICE ADDRESS: Same as above

ASSIGNMENT

Whereas, we,

Thomas G. ZIMMERMAN of Cupertino, (1)*County of Santa Clara and State of California

have invented certain improvements in

SYSTEM AND METHOD FOR REMOTE OPTICAL DIGITAL NETWORKING OF COMPUTING DEVICES and executed a United States patent application therefor on the following date(s): (1)* January 26, 2001 and Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be obtained therefor; LFI Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named,

W hereby acknowledge our prior existing obligation and hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of the United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on the invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed:

PLEASE CHECK OR FILL IN ALL SECTIONS WITH AN ASTERISK

DATE

SIGNATURE

LOCATION (county you are in when signing this document)

(1)* SAN JOSE, CA Jun 26, 2001